

AMENDMENTS TO THE SPECIFICATION

Please replace Table 9 on page 50, line 25, with the following:

Table 9. DESCRIPTION OF SEQUENCES

| Description |
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| FactorV-leiden gs_primerFVwt TACTTCAAGGACAAAATACCTGTATTCCGC (SEQ ID NO:4) |
| FactorV-leiden gs_primerFVmt TACTTCAAGGACAAAATACCTGTATTCAT (SEQ ID NO:5) |
| FactorV-leiden com_primerV: CAGGGGAAACCTATACCTATAAGTGGAAACATC (SEQ ID NO:6) |
| ApoE158 gs_primer158 T: ATGCCGATGACCTGCAGAAATT (SEQ ID NO:82) |
| ApoE158 gs_primer158 C: ATGCCGATGACCTGCAGAAATC (SEQ ID NO:83) |
| ApoE158 com_p158 (cv): CCTCGCGATGGCGCTGA (SEQ ID NO:84) |
| ApoE112 gs_primer112 T: CGCGGACATGGAGGACGTTT (SEQ ID NO:7) |
| ApoE112 gs_primer112 C: CGCGGACATGGAGGACGTTT (SEQ ID NO:8) |
| ApoE112 com_p112 (cv): GAGCATGGCCTGCACCTC (SEQ ID NO:9) |
| MTHFR gs_pMTHFRwt: GAAGGAGAAGGTGCTGCGGTAGC (SEQ ID NO:1) |
| MTHFR gs_pMTHFRmt: GAAGGAGAAGGTGCTGCGGAAGT (SEQ ID NO:2) |
| MTHFR com_pMTHFR: AGGACGGTGCCTGAGAGTG (SEQ ID NO:10) |
| eR1 CGCGATTGGCGCTCGTCTGAGCGCCTTTAA (SEQ ID NO:11) |
| eR3 CAGCCACACAGAGCGCE-TAGTTCCTCAATGAC (SEQ ID NO:13) |
| eR4 CGGCGTAGCCCTCTCCGTCGCTGTGTC (SEQ ID NO:14) |
| eR5 CGACGCTTTGACATGATATACTTGCCTGG (SEQ ID NO:15) |
| eR6 CCGTGGATCAGCCTGCCGATTCCGTCACA (SEQ ID NO:16) |
| eR9 CCTGTTGCGCCTGAAGACAAGAGATTTCG (SEQ ID NO:19) |
| eR10 CGAGCAACCGGTCCGTCTCTACCCATAACG (SEQ ID NO:20) |
| eR11 CGAAGCGTAGGTCAACCTGAGCGTGGAT (SEQ ID NO:21) |
| eR12 CGCGAGCGCTAGTGAACGTACCTAGATTTC (SEQ ID NO:22) |
| eR18 CATCATCTATCGCGACAACGCGGCGCGAA (SEQ ID NO:85) |
| eR20 CCGTTCGCGTAGTGCAGGCGCATCAATTA (SEQ ID NO:30) |
| eR21 CCACGCTCTCTATTGTCTTACGCGCGTTC (SEQ ID NO:31) |
| eR22 CAGGTTGCACTCAGTCTTCCAAAGGCGCG (SEQ ID NO:32) |
| eR34 CTCGGCACGGTTCTACGGAGTGCATAGCGA (SEQ ID NO:36) |
| eR36 CTACTTGCCCTTCGCGTAGTGGAGGAGAGTT (SEQ ID NO:38) |
| eR38 CTCGACCGCCAATCCGCAATATGAGCCATG (SEQ ID NO:40) |
| eR42 CTGAACAATGCCGCGACAATGGAGCTGAAG (SEQ ID NO:44) |
| eR45 CTGAGACGATAGGCGCGCTTATTGACACCT (SEQ ID NO:47) |
| eR47 CTACGCACCTATGACGCGCTAACCTTTGG (SEQ ID NO:49) |
| eR50 CTCAGGAAGGGCGAAGCGTTCCCTGCCAAT (SEQ ID NO:52) |
| Up_M1 universal primer sequence: AGGTCCATCGCTCCGATGT (SEQ ID NO:53) |
| Up_M1 universal primer sequence + Spacer AGGTCCATCGCTCCGATGTTCGACT (SEQ ID NO:54) |
| Up_M2 universal primer sequence: TTGGCAGCTCTCGGCATCAG (SEQ ID NO:55) |
| Up_M2 universal primer sequence + Spacer TTGGCAGCTCTCGGCATCAGTCGACT (SEQ ID NO:56) |
| Up_M3 universal primer sequence: TGAAGACCGTTCGTCGCTAC (SEQ ID NO:57) |
| Up_M3 universal primer sequence + Spacer TGAAGACCGTTCGTCGCTACTCGACT (SEQ ID NO:58) |
| 4FVw universal e-tag primer ACGTCTCACTGGCTCCGATGTTCCGACTCGGCGTAGCCCTCTCCGTCGTCCTGTGTCCTACTTCA AGGACAAAATACCTGTATTCCGC (SEQ ID NO:59) |

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| 18FVm universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCATCTTCTATCGGACAACGCGGCCGA ATACTTCAAGGACAAATACCTGTATCCAT (SEQ ID NO:60) |
| CFVr universal e-tag primer AGGTCCACTGCGTCCGATGTCAGGGGAAACCTATACTTATAAGTGGAACATC (SEQ ID NO:61) |
| 10MTHFRw universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCGAGCAACCGGTCCGTCTCTACCTAAAC GGAAGGAGAAGGTGTCTCGGGTAGC (SEQ ID NO:62) |
| 20MTHFRm universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCCGTTCGCGTAGTGCCGAGGGCATCAAT TAGAAGGAGAAGGTGTCTGCGGAAGT (SEQ ID NO:63) |
| CMTHFRr universal e-tag primer AGGTCCACTGCGTCCGATGTAGGACGGTGCAGGTGAGAGTG (SEQ ID NO:64) |
| 34E158T universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCTCGGACGGTTCTACGGAGTGCATAGC GAGATGCCGATGACCTGCAGAATT (SEQ ID NO:86) |
| 36E158C universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCTACTTGCCTTCGCGTAGTGGAGGAGAGT TATGCCGATGACCTGCAGAATC (SEQ ID NO:87) |
| cE158r universal e-tag primer AGGTCCACTGCGTCCGATGTCTCGCGGATGGCGCTGA (SEQ ID NO:88) |
| 50E112T universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCTCAGGAAGGGCGAAGCGTTCCCTGCCA ATCGCGGACATGGAGGACGTTT (SEQ ID NO:65) |
| 47E112C universal e-tag primer AGGTCCACTGCGTCCGATGTTGACTCTACGCACCTATGACGCGCCTAACCTTTG GCGCGGACATGGAGGACGTTT (SEQ ID NO:66) |
| cE112r AGGTCCACTGCGTCCGATGTGAGCATGGCCTGCACCTC (SEQ ID NO:67) |
| a126CT-eR4 TET-(M5)2- CG*G*CTAGCCCTCTCCGTCGTCCTGTGTCC-biotin (SEQ ID NO:68) |
| a126CF-eR18 6-FAM-(M5)2-CA*T*C*ATTCTATCGGACAACGCGGGCCGAA-biotin (SEQ ID NO:69) |
| a156CT-eR10 TET-(M2)2-CG*A*G*CAACCGGTCCGTCTCTACCCTAAACG-biotin (SEQ ID NO:70) |
| a156CF-eR20 6-FAM-(M2)2-CC*G*T*TCGCGTAGTGCCGAGGGCATCAATTA-biotin (SEQ ID NO:71) |
| a156CF-eR20 6-FAM-(M2)2-CC*G*T*TCGCGTAGTGCCGAGGGCATCAATTA-biotin (SEQ ID NO:71) |
| a125CT-eR36 TET-(M5)-CT*A*C*TTGCCCTTCGCGTAGTGAGGAGAGTT-biotin (SEQ ID NO:72) |
| a125CF-eR34 6-FAM-(M5)-CT*C*G*GCACGGTTCTACGGAGTGATAGCGA-biotin (SEQ ID NO:73) |
| a1CT-eR50 TET-CT*C*A*GGAAGGGCGAAGCGTTCCCTGCCAAT-biotin (SEQ ID NO:74) |
| a1CF-eR47 6-FAM-CT*A*C*GCACCTATGACGCGCTTAACCTTTGG-biotin (SEQ ID NO:75) |